VERMONT

Vermont Department of Health
Division of Health Surveillance
Public Health Laboratory
195 Colchester Avenue - P.O. Box 1125
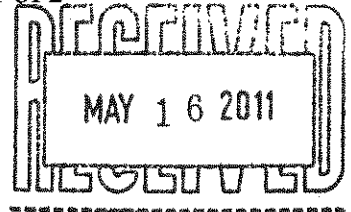Burlington, VT 05402-1125

[phone] 802-863-7335
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Agency of Human Services

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MAY 1 6 2011

May 13, 2011

Dear colleague:

Enclosed is a packet of information that includes all technical information regarding each of the active DataMaster DMT instruments in your county. This documentation would include maintenance and repair records, certification records, and installation records. This would include documents created or received during April 2011.

If you have questions or suggestions regarding this process, please don't hesitate to contact me at (802) 863-7570.

Thank you.

Sincerely,

Mary Celotti
Laboratory Director

Enclosures:

DataMaster DMT S.N. 100142 (Manchester Police Dept)
No updates on technical information during April 2011

DataMaster DMT S.N. 100148 (Winhall Police Dept)
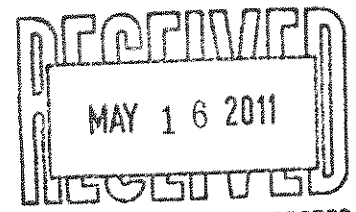No updates on technical information during April 2011

DataMaster DMT S.N. 100146 (Bennington Police Dept)
No updates on technical information during April 2011

DataMaster DMT S.N. 100156 (Shaftsbury VSP)
No updates on technical information during April 2011

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DataMaster DMT S.N. 100155 (Bennington County Sheriff's Dept)
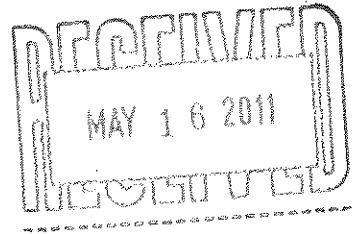No updates on technical information during April 2011

Other
Letter to Kirk Kimball, VDH Laboratory, dated April 28, 2011, from J. Scott Marhefka, National Patent Analytical Systems, Inc. regarding proper setting for the "Simulator Tolerance Check" for the DMT and its associated software for the Vermont Program.
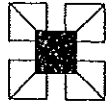
National Patent
Analytical Systems, Inc.

April 28, 2011

Vermont Department of Health
Mr. Kirk Kimball
108 Cherry Street
Burlington, VT 05402

Mr. Kimball,

This letter is to review the proper setting for the "Simulator Tolerance Check" for the DMT and its associated software for the Vermont Program.

The software is configured in such a way that there are only two options that can be selected for the "Simulator Tolerance Check". The two choices are simply: Yes or No. The location of the screen within the software to make this selection is under the setup screen for the simulator, select the option for "Tolerance Check". A prompt will appear for either; "Yes" or "No". The proper selection is "Yes". Once this selection has been made, the simulator tolerance is checked during a Breath Test and a Check-In Test.

The software compares the target values to the wet bath simulator values. The software makes a comparison as follows:

If the Target is > 0.080 then,

$$Min = Target - 0.005$$
$$Max = Target + 0.005$$

For all other Targets, the range is;

$$Min = Target - 0.004$$
$$Max = Target + 0.004$$

The result being if the Simulator Reading is less than the Minimum value or the Simulator Reading is greater than the Maximum value, the test stops and reports "Standard Out Of Range". If the values are within the limits, the test continues.

Additional technical points:

A) The Simulator Reading is checked for interference no matter what. The interference check happens before the simulator tolerance check.

B) The Simulator Tolerance Check setting is totally independent from checking the subject sample for interference.

C) When the options are printed out there are two listings for the same option. The printout lists "Tolerance Check" and "Simulator Check". The software design is such that both the "tolerance check" and the "simulator check" point to the same option so they should always both be on or both off.

After your review of the information provided above, if you have any questions please feel free to contact us.

Sincerely,

J. Scott Marhefka
Director of Engineering